DEC STD 092-7 Finish and Color Standard—Plastic Color Control and Material Identification

DOCUMENT IDENTIFIER: A-DS-EL00092-07-0000 Rev H, 08-May-1992

ABSTRACT: This document defines the process that ensures color-impregnated plastics used by Digital exhibit acceptable color drift characteristics for product uniformity; establishes a Digital color control source to initially evaluate, approve, and document all plastic colors to ensure color uniformity and avoid delays and mismatching from alternate sources; ensures that flame-retardant properties are not degraded in the process of obtaining new plastic color formulations; and defines the guidelines to assure ultraviolet plastic color stability.

APPLICABILITY: This document is mandatory for any plastic color and material identified and controlled by DEC STD 092 identifiers, and referenced on engineering documentation.

STATUS: APPROVED 08-May-1992; use VTX SMC for current status.

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1 INTRODUCTION

This standard applies to the color and color processes used for plastic parts in Digital's products.

1.1 PURPOSE

This document contains the following information:

a. Defines the process to ensure that color-impregnated plastics used by Digital exhibit acceptable color drift characteristics for product uniformity.

b. Establishes a Digital color control source to initially evaluate, approve, and document all plastic colors to ensure color uniformity and avoid delays and mismatching from alternate sources.

c. Ensures that flame-retardant properties are not degraded in the process of obtaining new plastic color formulations according to the test procedure defined by Corporate Product Safety and Regulations in EL-00119-TM-0D14, *Test Method for Flammability*.

d. Establishes and defines both plastic custom color pigmentation requirements and ultraviolet (UV) stability requirements.

1.2 SCOPE

This document identifies and defines Digital's color names and numbers related to plastic color formulations and quality control criteria for verifying such colors to DEC STD 092 color standard requirements.

This specification also describes the procedures for visual inspection of a color-impregnated plastic, using an approved color chip standard.

It should be noted that this section only applies to the color of plastic parts. No other characteristics are considered.

2 EVALUATION AND APPROVAL OF PLASTIC PARTS

Visual evaluation of an incoming plastic part shall be performed under the illumination of a cool-white fluorescent light source. The incoming part shall be compared with the standard in accordance with *DEC STD 092-1 Finish and Color Standard—Finish Standard for Applicators*, subhead 4.3 and subordinate subheads.

The method described in ASTM D1729, *Visual Evaluation of Color Differences of Opaque Materials,* may be used to compare the part with the approved Digital standard. This is the method routinely used by the American Society for Testing and Materials for visual observation of color differences in the comparison of similar materials.

The method described in ASTM D2244, *Calculation of Color Differences from Instrumentally Measured Color Coordinates*, defines the colorimeter used by the Materials Research group to measure the numerical color values of the standards submitted for approval. The vendor is then notified of acceptance or rejection. If the values were acceptable, a plastic color number is assigned to the formulation and added to this document, and the approved standards are distributed to the inspection points.

3 MATERIAL CHARACTERISTICS AND CONTROLS

Obtaining a color match must not be at the expense of the physical and flammability characteristics of the material. Each plastic manufacturer must certify that these characteristics are within the specified limits of the material requested.

NOTE

When a plastic is being evaluated for a new application, the appearance of the color and material must be considered for acceptance. A request should be made for the specified plastic material color chip to verify that the color match is suitable for the proposed application. If the color match is not suitable, a more critical color match should be requested.

3.1 PLASTIC CUSTOM COLOR PIGMENTATION REQUIREMENTS

Due to environmental regulations and recycling efforts, all new plastic color formulations shall be formulated without the use of lead and cadmium. This Digital requirement began in 1989.

3.2 UV STABILITY REQUIREMENTS

Custom colored, painted, and unpainted polymers used in all visible appearance parts shall not have a UV color shift of more than a total delta E of 2.00 over a period of three years in a typical, indoor, office environment.

UV testing shall be performed according to ASTM D4674, *Accelerated Testing for Color Stability of Plastics Exposed to Indoor Fluorescent Lighting and Window-Filtered Daylight*, using an Atlas HPUV tester color reading according to ASTM D2244.

4 PLASTIC COLOR STANDARD

The following subheads describe how to request and store a plastic color standard.

4.1 REQUESTING A PLASTIC COLOR STANDARD

When a plastic color standard is needed, complete a Color Chip Request (Figure 1) and submit it to the Materials Research Lab.

Complete the Color Chip Request as follows:

(1) Vendor's name, for an approved vendor only
(2) and (3) Vendor's address
(4) Person at vendor's site in charge of this standard
(5) Vendor's telephone number
(6) Date of request
(7) Person at Digital who is requesting the standard
(8) Requestor's department
(9) Requestor's telephone number
(10) Requestor's plant
(11) Requestor's cost center

(12) Requestor's mailstop
(13) through (19) Application for which the chip is requested
(20) Color number, quantity, and color name requested

Figure 1: Color Chip Request

digital

COLOR CHIP REQUEST

DIGITAL EQUIPMENT CORPORATION

Vendor		Requestor (DEC)	
vendor name (1)		from (7)	
address (2)		dept (8)	
city (3)		dtn (9)	cost center (11)
contact person (4)		plant (10)	mailstop (12)
phone # (5)		date requested (6)	

COLOR CHIP(S) REQUESTED			FOR LAB USE ONLY		INTENDED APPLICATION – Check That Apply –
DEC Color #	Qty	Color Name	Code #	Exp. Date	
92 ___ ___ ___					☐ For Production Parts (13)
92 ___ ___ ___					☐ For Reference Only (14)
92 ___ ___ ___	(20)				☐ Paint on Metal Substrates (15)
92 ___ ___ ___					☐ Paint on Plastic Substrates (16)
92 ___ ___ ___					☐ Hot Stamping (17)
92 ___ ___ ___					☐ Impregnated Plastic type: _____ (18)
92 ___ ___ ___					☐ Silk Screening (19)

Example: DEC STD 092 specifies the color # as 92–0000–068 Light Gray. On form use 068 Light Gray.

EN–03053–03–REVB(3A2) Return Completed form to: Materials Research MLO5–1/P55

4.2 STORING A PLASTIC COLOR STANDARD

Each Digital plastic chip must be stored in the supplied envelope. Failure to do so may shorten the life of the chip.

Each chip has an expiration date. The holder of an expired chip is responsible for returning it to:

Digital Equipment Corporation
146 Main Street
Maynard MA 01754

Materials Research Lab
ML05-1/P55

Any attempt to clean these chips may cause an increase in color drift. Note that these chips are for color control only, and should not be subjected to physical testing.

5 APPROVED VENDORS

The following vendors are approved by Digital as their suppliers of color-formulated plastic materials.

a. Admiral Coated Products
8 Empire Boulevard
Moonachie NJ 07074
(Hot stamp film only)

b. AKZO Engineering
PO Box 3333, 2267 W. Mill Road
Evansville IN 47732

c. Bayer AG
Germany

d. Crown Roll Leaf Inc.
92 Illinois Ave.
Paterson NJ 97503
(Hot stamp foil only)

e. Diversitech General, Division of Gen Corp. Inc.
1 General Street
Newcomerstown OH 43832

f. Dow Chemical
433 Building
Midland MI 48640

g. General Electric—ABS
PO Box 68, Rt. 1, DuPont Rd.
Washington WV 26181

h. General Electric—(for Lexan, Valox, Ultem)
Mount Vernon IN 47620

i. General Electric—(for Noryl and Cycoloy)
Noryl Avenue
Selkirk NY 12158

j. B.F. Goodrich
6100 Oaktree Boulevard
Cleveland OH 44131

k. Hoechst Celanese Corporation
Summit NJ 07901

l. Huntsman Chemical Corp.
5100 Bainbridge Boulevard
Chesapeake VA 23320

m. Liquid Nitrogen Processing Corporation
412 King Street
Malvern PA 19355

n. Maple Roll Leaf
2285 Ambassador Drive
Windsor Ontario
(Hot stamp foil only)

o. Markem
150 Congress St.
Keene NH 03431
(Hot stamp foil only)

p. Miles Inc. (formerly Mobay Corp.)
Mobay Rd.
Pittsburgh PA 15205-9741

q. Monsanto
Addyson OH 45750

r. Panduit
17301 Ridgeland Avenue
Tinley Park IL 60477

s. Rohm and Haas Company
PO Box 219
Bristol PA 19007

t. A. Schulman, Inc.
790 East Tallmadge Avenue
Akron OH 44309

u. Union Carbide
Marietta OH 45750

v. Royalite Thermoplastics Division
Polycast Technology Corp.
402 South Byrkit Ave.
PO Box 568
Mishawaka IN 46544

6 APPROVED COLORS

Table 1 lists all approved plastic colors available from all approved manufacturers.

Table 1: Approved Plastic Colors

Digital Color No. 092-D000-	Color Name	Manufacturer	Manufacturer's Material Identification	Manufacturer's Color Identification
068	Light Gray	General Electric	Noryl N-190	7342
		General Electric	Lexan 141 or 101	70536
		General Electric	Lexan 3412	7387
		General Electric	Cycolac T	32597
		General Electric	Cycolac KJB	32998
		Uniroyal	Royalite 59	W-879
		Schulman	Polyman 552	24D
		Diversitech General	Boltaron 6500	L-3668 (x5773)
		General Electric	Cycolac KJW	32998
		LNP	DF 1004 FR	GYO-656
		General Electric	Noryl SE-100	7342
		Rohm and Haas	Kydex 100	52058
		AKZO Engineering	J-50/20/FR	GY-4978
		General Electric	Valox 325M	8307
		Bayer	Bayblend FR1439	71181 (Europe)
		General Electric	Valox 310-SEO	8307
		General Electric	Valox 311	8307
		General Electric	Lexan 940	70536

Table 1 (Cont.): Approved Plastic Colors

Digital Color No. 092-D000-	Color Name	Manufacturer	Manufacturer's Material Identification	Manufacturer's Color Identification
068	Light Gray (Cont.)	Celanese	Celanex 2000-2K	EC 3277
		General Electric	Cycolac KJU	32998
		Miles[1]	Makrolon SF-800	2076
		Miles[1]	Makrolon 2605	2076
		Bayer	Makrolon 2605	M83056 (Europe)
		General Electric	Lexan ML6000	795112
		Huntsman	779	60297D
		General Electric	Ultem 2200	UCL 229
		Monsanto	Lustran SAN31	20667B
		Monsanto	Lustran 648	20667B
		General Electric	Noryl UV180	7342
		General Electric	Cycolac KJB	329980 (Europe)
		General Electric	Ultem 1000	UCL 312
		General Electric	Noryl PX4400	7342
		Union Carbide	P-8232	3983D
		Miles[1]	Makrolon 6455	2076
		General Electric	Cycolac ZB2	32998
		B.F. Goodrich	Geon 89737	208
		General Electric	Noryl HS2000	7342

[1] Prior to 01-Jan-1992, Miles Inc. was known as Mobay Corp.

Table 1 (Cont.): Approved Plastic Colors

Digital Color No. 092-D000-	Color Name	Manufacturer	Manufacturer's Material Identification	Manufacturer's Color Identification
068	Light Gray (Cont.)	Huntsman	765	60297D
		Huntsman	721M	60297D
		Engineering Plastics Ltd.	Noryl N190J	8210 (Japan)
		Engineering Plastics Ltd.	Noryl SE90J	8346 (Japan)
		Huntsman	702	60297D
		Huntsman	705	60297D
		Huntsman	703	60297D
		B.F. Goodrich	TempRite 3504	208
		General Electric	Prevex BJA	33966
		General Electric	Noryl N190	17342 (Europe)
		General Electric	Lexan FL900	73034
		General Electric	Lexan 500	7387
		Lucky Ltd.	AF305	8595 (Korea)
		General Electric	Noryl FN170	70504
		Hannam Chemical	HFA450	V2742 (Korea)
		Global Products	GA3034	477
		General Electric	Cycoloy	7342 (Europe)
		Feller	PVC	FN740 (Austria)
		General Electric	Noryl N185	CS7342 (Europe)

Table 1 (Cont.): Approved Plastic Colors

Digital Color No. 092-D000-	Color Name	Manufacturer	Manufacturer's Material Identification	Manufacturer's Color Identification
068	Light Gray (Cont.)	Miles[1]	Bayblend FR 1439	2076
		General Electric	Lexan FL930	73131
		General Electric	Cycolac KJU	329980 (Europe)
		Dow Chemical USA	Styron 478	MS780369
		General Electric	Noryl PX4400	D7342 (Australia)
		Dow Chemical USA	Styron 6087	MS780368
		General Electric	Cycolac TAS	300372 (Europe)
		Dow Chemical USA	Pulse 1725	FP280233
		General Electric	Lexan ML4190	70536 (Australia)
		General Electric	Cycoloy MC8220	71414
		General Electric	Lomod BO150	8747
		Bayer	Bayblend FR1441	71181 (Europe)
		Maple Roll Leaf	Hot Stamp Foil	PS 62073
		Miles[1]	Bayblend FR1441	2076
		General Electric	Lexan BE2130	79544
		General Electric	Lexan 1X1	701097 (Europe)
		General Electric	Lexan ML6000	795112
		Bayer	Novodur P2H-AT	71181
		Panduit	Styrene 702D9	CF 5-17

[1] Prior to 01-Jan-1992, Miles Inc. was known as Mobay Corp.

Table 1 (Cont.): Approved Plastic Colors

Digital Color No. 092-D000-	Color Name	Manufacturer	Manufacturer's Material Identification	Manufacturer's Color Identification
068	Light Gray (Cont.)	Bayer	Bayblend FR90	71181 (Europe)
		General Electric	Lexan BE1230	79545
		Miles[1]	Bayblend FR90	2076
		B.F. Goodrich	Geon 8804	208
		General Electric	Valox	8307
		General Electric	Lexan BE3030	79545
		Georgia Gulf	UV7160	#86
094	Lamp Black	General Electric	Noryl PX4400	70429
		General Electric	Noryl PX-1303	701
		General Electric	Noryl N-190	701
		General Electric	Lexan 141/101	70417
		General Electric	Cycolac T	T 4500
		General Electric	Cycolac KJB	4051
		General Tire	Boltaron 6500	3135
		Huntsman	702	60161B
095	Chinese Red	General Electric	Lexan 940	62326
		Maple Roll Leaf	Hot Stamp Foil	PS# 13202
123	General White	General Electric	Cycolac T	22030
		General Electric	Lexan 3412	834

[1] Prior to 01-Jan-1992, Miles Inc. was known as Mobay Corp.

Table 1 (Cont.): Approved Plastic Colors

Digital Color No. 092-D000-	Color Name	Manufacturer	Manufacturer's Material Identification	Manufacturer's Color Identification
		General Electric	Lexan 3413	834
123	General White (Cont.)	General Electric	Lexan 3414	834
		General Electric	Lexan 500	834
		Markem	Hot Stamp Foil	223 White 10
		Admiral	Hot Stamp (tape)	84G
131	Brite Copen Blue	General Electric	Lexan 141/101	20078
135	Brite Navy	General Electric	Cycolac T	T-53224
140	Magenta	General Electric	Lexan 3412 (20% glass)	6334
		General Electric	Lexan 3413 (30% glass)	6334
		General Electric	Lexan 500 (10% glass)	6334
		General Electric	Lexan 141/101	60137
141	Amber	General Electric	Cycolac T	T-71985
		Celanese Plastics	Celanex 2000-2	EL3373
		General Electric	Valox 325	4353
		Celanese Plastics	Celanex 2003-2	EL3373
		Admiral	Hot Stamp	X-2650-G
147	Scale Gray	General Electric	Noryl SE-100	7385
		General Electric	Noryl N-190	7385

Table 1 (Cont.): Approved Plastic Colors

Digital Color No. 092-D000-	Color Name	Manufacturer	Manufacturer's Material Identification	Manufacturer's Color Identification
		General Electric	Lexan 101/141	70361
147	Scale Gray (Cont.)	General Electric	Cycolac KJW	32681
		General Electric	Cycolac T	T-32681
148	Blasi Blue	General Electric	Lexan 141/101	22017
149	Topaz	General Electric	Cycolac T	T-72076
159	Digital Blue	General Electric	Lexan 141/101	20193
		Dow Chemical	Dow 213	F-00 211G1
		General Electric/B0Z	Lexan 1X1	20193
160	Blue Janice	General Electric	Lexan 141/101	20079
164	D.C. Blue	General Electric	Cycolac T	T-52085
167	Can Red	General Electric	Cycolac T	T-60601
169	Red Defuser	General Electric	Lexan 101/141	612 transpar.
		Rohm and Haas	Plexiglass	2423 transpar.
171	Button Red	General Electric	Lexan 141/101	6058
172	Smokey Lexan	General Electric	Lexan 9034	71044
179	Osha Yellow	General Electric	Cycolac T	T-71230
186	Mullen Blue	General Electric	Lexan 101/141	20186
190	Prefer Red	General Electric	Cycolac T	61550
		General Electric	Noryl N190	6201

Table 1 (Cont.): Approved Plastic Colors

Digital Color No. 092-D000-	Color Name	Manufacturer	Manufacturer's Material Identification	Manufacturer's Color Identification
190	Prefer Red	General Electric	Lexan 141/101	60133
		Maple Roll Leaf	Hot Stamp Foil	Lab# 2327
191	Bell Canada Gold	General Electric	Cycolac KJT	71966z
		General Electric	Noryl N-190	4238
193	Digital Brown	General Electric	Noryl N-190	5731
		Schulman	Polyman 552	42
		General Electric	Cycolac T	T-84792S
		General Electric	Cycolac KJB	84792S
		Uniroyal	Royalite R-57	1714
195	Charcoal	General Electric	Noryl N-190	5799
		General Electric	Lexan 101/141	50592
		General Electric	Lexan 940	50592
		General Electric	Lexan 500 (10% glass)	5373
		General Electric	Lexan 3412 (20% glass)	5373
		General Electric	Lexan 3413 (30% glass)	53016
		General Electric	Cycolac T	82741
		General Electric	Cycolac KJT	84609Z-S
		General Electric	Cycolac KJB	84609S
		General Electric	Cycolac KJW	85981R

Table 1 (Cont.): Approved Plastic Colors

Digital Color No. 092-D000-	Color Name	Manufacturer	Manufacturer's Material Identification	Manufacturer's Color Identification
		Diversitech General	Boltaron 6500	L3552A
195	Charcoal (Cont.)	General Electric	Valox 325	53691
		Huntsman	707	951268A
		Lumb Woodworking Co. Inc.	Formica	85-418-65
		General Electric	Noryl PX4400	70442
208	Gray Lexan	General Electric	Lexan	713
212	Bold Blue	General Electric	Cycolac T	T 5500
213	Mellow White	General Electric	Cycolac T	T 2502
214	Old Gray	General Electric	Cycolac T	T 3502
215	A.J. Brown	General Electric	Noryl N-190 PX1541	50188
216	A.J. Beige	General Electric	Noryl N-190 PX1541	50192
217	Mid-Range Gray	General Electric	Cycolac T	85945
		General Electric	Lexan 3413 (30% glass)	73013
		General Electric	Noryl N-190	7971
		AKZO Engineering	Fiberfil J-1200/ SS/5/FR/UV	GY-7535
		General Electric	Lexan 940	70528
		LNP	RF1006HS	GYO-142-1
		General Electric	Cycolac KJU	859450 (Europe)

Table 1 (Cont.): Approved Plastic Colors

Digital Color No. 092-D000-	Color Name	Manufacturer	Manufacturer's Material Identification	Manufacturer's Color Identification
		General Electric	Valox	8308
217	Mid-Range Gray (Cont.)	General Electric	Valox 310 SEO	8308
		General Electric	Cycoloy	7971 (Europe)
		General Electric	Valox 311	8308
		General Electric	Cycolac TAS	859450 (Europe)
		Celanese Plastic	Celanex 2000-2K	EC 3276
		General Electric	Valox 325 M	8308
		General Electric	Lexan 141/101	70528
		Dupont	Delrin 500GY	0742
		General Electric	Cycolac KJW	85945
		Engineering Plastics Ltd.	Noryl SE90J	7196 (Japan)
		General Electric	Lexan BE1230	79546
		General Electric	Cycolac KJB	85945
		General Electric	Lexan BE2130	79543
		General Electric	Noryl PX4400	7971
		General Electric	Lexan 500	73013
		LNP	DF1002EMMRFR	GYO-207
		General Electric	Lexan BE3030	79546
		B.F. Goodrich	Geon 87371	250

Table 1 (Cont.): Approved Plastic Colors

Digital Color No. 092-D000-	Color Name	Manufacturer	Manufacturer's Material Identification	Manufacturer's Color Identification
		General Electric	Noryl PX4400	7971 (Australia)
217	Mid-Range Gray (Cont.)	Bayer	Novodur P2H-AT	71241
		Georgia Gulf	UV7160	183
		LNP	Statcon PDX-D-88728	GYO-028-1
		Uniroyal	Royalite 59	8640
		Miles[1]	Bayblend FR-1439	2297
		Dow Chemical USA	Pulse 1725	FP270168
		General Electric	Cycolac KJB	859450 (Europe)
		General Electric	Cycoloy MC8220	71642
		Engineering Plastics Ltd.	Noryl N190J	7081 (Japan)
		Monsanto	Lustran	43709
		General Electric	Lexan ML5665	73166
		Polymer Composites Inc.	Celstran PCG35-02-4	TC5195
		LNP	DF1006EMMRFR	GY0862
		Bayer	Bayblend FR1441	71241
		Celanese	Celanex 2004	EC3276
		Bayer	Bayblend FR90	71241
		Huntsman	779	60351A

[1] Prior to 01-Jan-1992, Miles Inc. was known as Mobay Corp.

Table 1 (Cont.): Approved Plastic Colors

Digital Color No. 092-D000-	Color Name	Manufacturer	Manufacturer's Material Identification	Manufacturer's Color Identification
		General Electric	Lexan ML3260	73013 (Europe)
217	Mid-Range Gray (Cont.)	General Electric	Ultem 2312	7319
		General Electric	Noryl PX4400	7971 (Worldwide)
		Maple Roll Leaf	Hot Stamp Foil	Lab# 2628
219	DECmate Blue	General Electric	Cycolac T	53682
220	DECmate Red	General Electric	Cycolac T	61824
221	DECmate Gold	General Electric	Cycolac T	72344
		General Electric	Valox 325M	4465
232	Medium Dark Gray	General Electric	Cycolac KJB	33672
		General Electric	Lexan 940	70696
		General Electric	Noryl PX4400	70413
		Huntsman	721M	60362A
		Miles[1]	Bayblend FR90	2608
		Georgia Gulf	Vinyl 7045	Gray 195
		Huntsman	779	60362A
		General Electric	Lexan 500	73199
		Huntsman	705	60362A
		General Electric	Lexan 1X1	701104
		Maple Roll Leaf	Hot Stamp Foil	Lab# 2277

[1] Prior to 01-Jan-1992, Miles Inc. was known as Mobay Corp.

Table 1 (Cont.): Approved Plastic Colors

Digital Color No. 092-D000-	Color Name	Manufacturer	Manufacturer's Material Identification	Manufacturer's Color Identification
233	DECmate Green	General Electric	Cycolac T	92249
233	DECmate Green (Cont.)	General Electric	Lexan 940	30377
		General Electric	Noryl N190	3420
237	Storm Purple	General Electric	Lexan BE3030	2953
		General Electric	Noryl PX4400	6531
		General Electric	Valox 325M	9087
238	Twilight Blue	General Electric	Noryl PX4400	2870
240	Nantucket Gray	General Electric	Valox 325M	8912
		Miles[1]	Bayblend FR1441	2661
		General Electric	Cycolac	35791
		Dow Chemical USA	Pulse 1725	FP280227
		Bayer	Bayblend FR1441	71317 (Europe)
		Bayer	Bayblend FR1448	71317 (Europe)
		General Electric	Noryl PX4400	D71290
		General Electric	Cycoloy	71646
		General Electric	Lexan 1X1	701136
		General Electric	Noryl FN170	D71309
241	Twilight Gray	Crown Roll Leaf	Hot Stamp Foil	9400
242	Slate Gray	General Electric	Noryl PX4400	80315

[1] Prior to 01-Jan-1992, Miles Inc. was known as Mobay Corp.

Table 1 (Cont.): Approved Plastic Colors

Digital Color No. 092-D000-	Color Name	Manufacturer	Manufacturer's Material Identification	Manufacturer's Color Identification
		General Electric	Lexan ML6000	795121
		General Electric	Lexan 1X1	701119
242	Slate Gray (Cont.)	Miles[1]	Bayblend FR1439	2599
		General Electric	Cycloloy C2800	80346
243	Caribbean Blue	General Electric	Cycoloy MC8220	2956
		General Electric	Noryl PX4400	2955
244	Off White	Maple Roll Leaf	Hot Stamp Foil	AA92284
245	Yellow Jade	General Electric	Lexan BE2130	40171
246	Dark Jade	Maple Roll Leaf	Hot Stamp Foil	91408
		General Electric	Cycolac KJU	92592
247	Soft Yellow	General Electric	Lexan ML3260	43237
249	Olivetti CN01	General Electric	Valox	80104
250	Olivetti CN02	General Electric	Noryl PX4400	71445
		General Electric	Cycolac	36116
251	Olivetti CN03	General Electric	Noryl PX4400	71450
		General Electric	Valox	80105
252	Jade	Miles[1]	Bayblend FR1441	9189

[1]Prior to 01-Jan-1992, Miles Inc. was known as Mobay Corp.

APPENDIX A REFERENCED DOCUMENTS

A.1 EL-Class Digital Documents

EL-Class Number	Document Title
EL-00092-01	*DEC STD 092-1 Finish and Color Standard—Finish Standard for Applicators*
EL-00119-TM-0D14	*Test Method for Flammability*

Use VTX SMC to order copies of EL-class documents from Standards and Methods Control. Send distribution questions to JOKUR::SMC or call DTN: 234-4423.

A.2 Other Documents

Document Number	Document Title
ASTM D1729	*Visual Evaluation of Color Differences of Opaque Materials*
ASTM D2244	*Calculation of Color Differences from Instrumentally Measured Color Coordinates*
ASTM D4674	*Accelerated Testing for Color Stability of Plastics Exposed to Indoor Fluorescent Lighting and Window-Filtered Daylight*

A.3 Ordering Information

Following are the sources for documents not available from Standards and Methods Control.

- American Society for Testing and Materials (ASTM)
  1916 Race Street
  Philadelphia PA 19103

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